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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,075	12/31/2001	Robert A. Boudrie	P 283212 EMC-01-185	5623
51576	7590	01/16/2007		
EMC CORPORATION			EXAMINER	
c/o DALY, CROWLEY, MOFFORD & DURKEE, LLP			ROBINSON, GRETA LEE	
354ATURNPIKE STREET				
SUITE 301A			ART UNIT	PAPER NUMBER
CANTON, MA 02021-2714			2168	
			MAIL DATE	DELIVERY MODE
			01/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental Notice of Allowability	Application No.	Applicant(s)	
	10/032,075	BOUDRIE ET AL.	
	Examiner	Art Unit	
	Greta L. Robinson	2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 08/09/2006.
2. The allowed claim(s) is/are 1-13.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

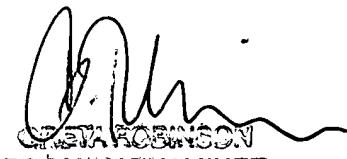
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date 20070104.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.



Greta L. Robinson
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Paul D. Durkee (registration no.41,003) on January 4, 2007.

2. The application has been amended as follows:

Claims 6 and 10 have been amended as follows:

6. (Currently Amended) A system for incrementally backing up data from a logically represented volume on disk media, accessible by a client through a network connection, the client comprising an enterprise database application, said system comprising:

 a track identifier to identify tracks of logically represented volume that have changed since a last incremental backup operation by reading fresh data indications, (i) wherein each of the fresh data indications corresponds to a track of the logically represented volume and (ii) wherein a given fresh data indication is indicative of whether its corresponding track has been changed since a last incremental backup operation;

a file identifier to identify files for incremental backup, the identified files comprising changed and unchanged blocks saved on a track deemed changed since a last incremental backup operation; and

a backup mechanism utilizing a processor to incrementally backup the identified files from the disk media to sequential storage media through a high speed connection.

10. (Currently Amended) A machine-readable media for incrementally backing up data from a logically represented volume on disk media, accessible by a client through a network connection, the client comprising an enterprise database application, the machine-readable media having stored therein computer executable instructions for the computer-readable media being encoded so that, when the machine-readable media is read by a computer the machine readable media causes:

identifying tracks of the logically represented volume that have changed since a last incremental backup operation by reading fresh data indications, (i) wherein each of the fresh data indications corresponds to a track of the logically represented volume and (ii) wherein a given fresh data indication is indicative of whether its corresponding track has changed since a last incremental backup operation;

identifying files for incremental backup, the identified files comprising blocks saved on a track deemed changed since a last incremental backup operation; and

backing up the identified files from the disk media to sequential storage media through a high speed connection.

3. The following is an examiner's statement of reasons for allowance:

The reasons for allowance stands as outlined in the notice of allowance mailed October 12, 2006.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta L. Robinson whose telephone number is (571)272-4118. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim T. Vo can be reached on (571)272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Greta Robinson
PRIMARY EXAMINER

Greta Robinson
Primary Examiner
January 4, 2006